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NATIONAL AIR INTELLIGENCE CENTER

BRIEF DESCRIPTIONS OF SOME KEY NATIONAL PHYSICS LABORATORIES AND OPEN DEPARTMENTAL LABORATORIES (III)

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HUMAN TRANSLATION

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Brief Descriptions of Some Key National Physics Laboratories and Open Departmental Laboratories (III)

Laboratory of Laser Spectroscopy

Laboratory Director: Liu Songhao

Academic Committee Director: Wang Daheng

Address: Anhui Institute of Optics and Fine Mechanics [AIOFM], Chinese Academy of Sciences, Hefei, 230031

Telephone: 91534

The open Laboratory of Laser Spectroscopy at the Anhui Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, was officially opened in July, 1985.

Research Orientation and Major Research Contents of the Laboratory

The research orientation of this laboratory is high-sensitivity, high-selectivity detection using laser spectroscopy. [The laboratory] puts special emphasis on making contributions in the areas of resource exploration, combustion processes, atmospheric and environmental pollution, biological medicine, and other fields of research with great economic significance and societal benefits. Research contents involve high-excitation states of atoms and molecules, laser spectroscopy research on atomic ions, molecular ions, quasi-molecules and van der Waals molecules and molecular clusters, free-radical and transient particles, and biological and organic molecules. [Research contents also include] development of laser spectroscopy methods in basic applied research with great potential for the fields of geological mineral resource detection, environmental testing, function processes of pharmaceuticals, and laser composite materials.